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Author(s):

G. Chiaramonte

Principal author
signature:

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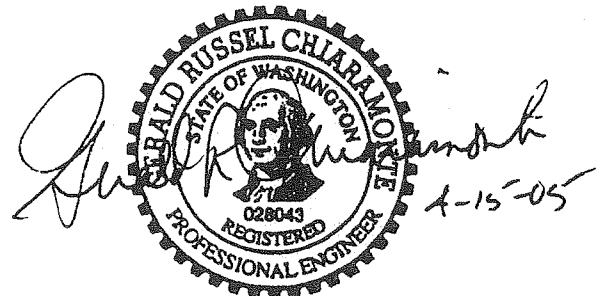
Approved by:

R. Smith

Approver's position:

Area Project Engineering Manager

Approver signature:



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River Protection Project
Waste Treatment Plant
2435 Stevens Center Place
Richland, WA 99354
United States of America
Tel: 509 371 2000

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Acronyms and Abbreviations

| | |
|-----|--------------------------------|
| AEA | Atomic Energy Act of 1954 |
| DOE | US Department of Energy |
| PT | pretreatment |
| RLD | radioactive liquid disposal |
| WAC | Washington Administrative Code |

1 Introduction

The Washington Administrative Code, WAC 173-303, requires the use of secondary containment for systems containing dangerous waste.

Sump data for rooms within the PT facility have been addressed in prior issued documents. This report specifically addresses sump data for Room P-0150, a tank containment area located outside the PT building, which contains the Radioactive Liquid Disposal (RLD) tanks RLD-TK-00006A and RLD-TK-00006B.

2 Applicable Documents

- Washington Administrative Code, WAC 173-303, Dangerous Waste Regulations

3 Description

3.1 Room P-0150 Sump

Room P-0150 is a concrete containment area located outside the PT building on the northeast side of the building. It provides secondary containment for tanks RLD-TK-00006A/B which are the only tanks within this containment area. The secondary containment includes low point sump (RLD-SUMP-00003). The floor of the containment area also includes a covered trench between each tank and RLD-SUMP-00003. This trench allows the heel in a tank to be drained into the sump prior to accessing the tank internals for maintenance. The floor, sump, and interior walls of the containment area including the trench are treated with a special protective coating (epoxy type). The floor and the trench are sloped towards the sump. The sump is located at the (-) 2' - 0" level. The maximum operating volume of this sump is 583 gallons. This dry type sump is equipped with radar level detection and a pump that will discharge the liquid collected in the sump to RLD-VSL-00017A/B in the PT facility.

Information on the Pretreatment Facility sump in Room P-0150 is summarized given in Table 1.

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Table 1 Room P-0150 Sump

| # | Sump PIN | PT Room Number | Maximum Sump Capacity, GAL | Sump Type/Nominal Operating Volume, GAL | Sump Dimensions, Inch | P&ID Number | Leak Detection Type | Material of Fabrication |
|----------|-----------------|-----------------------|-----------------------------------|------------------------------------------------|------------------------------|------------------------|----------------------------|--------------------------------|
| 1 | RLD-SUMP-00003 | P-0150 | 583 | Dry Sump | 78" X 48" X 36" deep | 24590-PTF-M6-RLD-P0002 | Radar | Epoxy coating |